



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Marek Kwiatkowski  
Serial No. : 10/694,628  
Filed : October 27, 2003  
Title : COMPOUNDS FOR PROTECTING HYDROXYLS AND METHODS FOR  
THEIR USE

Art Unit : 1764  
Examiner : Unknown

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL

The following correspondence relating to this application is enclosed for filing:

1. Information Disclosure Statement (1 page);
2. Form PTO-1449 (2 pages);
3. Copies of Cited References (2 references); and
4. A Return Postcard.

Please date stamp and return the enclosed postcard. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 7/20/05

Teresa A. Lavoie

Teresa A. Lavoie, Ph.D.  
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Typed or Printed Name of Person Signing Certificate  
Lisa M. Becker



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INFORMATION DISCLOSURE STATEMENT

Applicant requests consideration of the references listed on the attached PTO-1449 form.

Under 35 USC §120, this application relies on the earlier filing date of application serial numbers 09/952,719, and 09/412,171 filed on 9/12/2001 and 10/5/1999, respectively. All of the following references were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application with the exception of Desig. ID Nos. AX and AHH, copies of which are being provided.

This statement is being filed before the receipt of a first Office Action on the merits.  
Please apply any charges or credits to Deposit Account No. 06-1050.

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Respectfully submitted,

Teresa A. Lavoie

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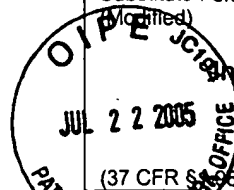
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Substitute Form PTO-1449 (Modified)  (37 CFR § 1.8(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11989-004003	Application No. 10/694,628
	<b>Information Disclosure Statement</b> <b>by Applicant</b> (Use several sheets if necessary)		
	Applicant Marek Kwiatkowski		Group Art Unit 1764
Filing Date October 27, 2003			

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,216,134	06/01/93	Mukkala et al.			
	AB	5,252,462	10/12/93	Drevin et al.			
	AC	5,256,535	10/26/93	Ylikoski et al.			
	AD	5,405,746	04/11/95	Uhlen			
	AE	5,858,671	01/12/99	Jones			
	AF	5,871,921	02/16/99	Landegren et al.			
	AG	5,888,778	03/30/99	Shuber			

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AH	WO 91/00868	01/24/91	PCT				
	AI	WO 95/31434	11/23/95	PCT				
	AJ	WO 96/23807	08/08/96	PCT				
	AK	WO 98/08857	03/05/98	PCT				
	AL	WO 98/39481	09/11/98	PCT				
	AM	WO 98/51698	11/19/98	PCT				

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AN	Baerlocher et al., "Structure-Activity Relationships for Selected Sulfur-Rich Antifungal Compounds," <u>Aust. J. Chem.</u> , 1999, 52(3):167-172
	AO	Beaucage and Iyer, "Advances in the Synthesis of Oligonucleotides by the Phosphoramidite Approach," <u>Tetrahedron</u> , 1992, 48(12):2223-2311
	AP	Beaucage and Iyer, "The Synthesis of Specific Ribonucleotides and Unrelated Phosphorylated Biomolecules by the Phosphoramidite Method," <u>Tetrahedron</u> , 1993, 49(46):10444-10488
	AQ	Bologna et al., "The Prooligonucleotide Approach: Synthesis of Mixed Phosphodiester and SATE Phosphotriester Prooligonucleotides Using <i>H</i> -Phosphonate and Phosphoramidite Chemistries," <u>Eur. J. Org. Chem.</u> , 1999, pp. 2353-2358
	AR	Bonfils and Thuong, "Solid Phase Synthesis of 5', 3'-Bifunctional Oligodeoxyribonucleotides Bearing a Masked Thiol Group at the 3'-End," <u>Tetrahedron Letters</u> , 1991, 32(26):3053-3056
	AS	Bruice and Kenyon, "Novel Alkyl Alkanethiolsulfonate Sulfhydryl reagents, Modifications of Derivatives of L-Cysteine," <u>J. Protein Chem.</u> , 1982, 1(1):47-58

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11989-004003	Application No. 10/694,628
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Marek Kwiatkowski	
		Filing Date October 27, 2003	Group Art Unit 1764

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AT	Canard et al., "Catalytic editing properties of DNA polymerases," <u>Proc. Natl. Acad. Sci. USA</u> , 1995, Vol. 92
	AU	"Elimination of Residual Natural Nucleotides from 3'-O-Modified -dNTP Syntheses by Enzymatic Mop-Up," Reprinted from <u>Biotechniques</u> , 1998, 25(8):814-817
	AV	Hovinen et al., "Synthesis of 3'-O-( $\omega$ -Aminoalkoxymethyl) thymidine 5'-Triphosphates, Terminators of DNA synthesis that Enable 3'-Labeling," <u>J. Chem. Soc. Perkin Trans. I</u> , 1994, pp. 211-217
	AW	Kahl and Greenburg, "Introducing Structural Diversity in Oligonucleotides via Photolabile, Convertible C5-substituted Nucleotides," <u>J. Am. Chem. Soc.</u> , 1999, 121(4):597-604
	AX	Kraszewski and Stawinski, "Phosphoryl Tris-Triazole - A New Phosphorylating Reagent," <u>Tetrahedron Lett.</u> , 1980, 21:2935-2936
	AY	Kwiatkowski et al., "Synthesis of full-length oligonucleotides: cleavage of apurinic molecules on a novel support," <u>Nucl. Acids Res.</u> , 1996, 24(23):
	AZ	Maxam and Gilbert, "A New Method for Sequencing DNA," <u>Proc. Natl. Acad. Sci.</u> , 1977, 74:560-564
	AAA	Metzner and Nhan Pham, "Synthesis of Sulphines from Aliphatic Dithioesters and their Rearrangement to Dithioperoxyesters," <u>J. Chem. Soc., Chem. Commun.</u> , 1988, 390-391
	ABB	Plettner et al., "A Combinational Approach to Chemical Modification of Subtilisin Bacillus lentus," <u>Bioorganic &amp; Medical Chem. Lett.</u> , 1998, 8:2291-2296
	ACC	Pon, "Solid-phase Supports for Ligonucleotide Synthesis, Methods in Molecular Biology," <u>Protocols for Oligonucleotides Synthesis</u> , 1993, Vol. 20, Agrawal (ed.), Humana Press Inc., Towata, NJ, pp. 465-497
	ADD	Sanger et al., <u>Proc. Natl. Acad. Sci.</u> , 1977, 74:5463-5467
	AEE	Scaringe et al., "Novel RNA Synthesis Method Using 5'-Osilyl-2'-O-orthoester Protecting Groups," <u>J. Am. Chem. Soc.</u> , 1998, 120:11820-11821
	AFF	Syvanen et al., "A Primer Guided Nucleotide Incorporation Assay in the Genotyping of Apolipoprotein E," <u>Genomics</u> , 1990, 8:684-692
	AGG	Tosquellas et al., "The Pro-Oligonucleotide Approach: Solid Phase Synthesis and Preliminary Evaluation of Model Pro-Dodecathymidylates," <u>Nucleic Acids Res.</u> , 1998, 26(9):2069-2074
	AHH	Zavgorodny et al., "1-Alkylthioalkylation of Nucleoside Hydroxyl Functions and Its Synthetic Applications: A New Versatile Method in Nucleoside Chemistry," <u>Tetrahedron Lett.</u> , 1991, 32(51):7593-7596

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	